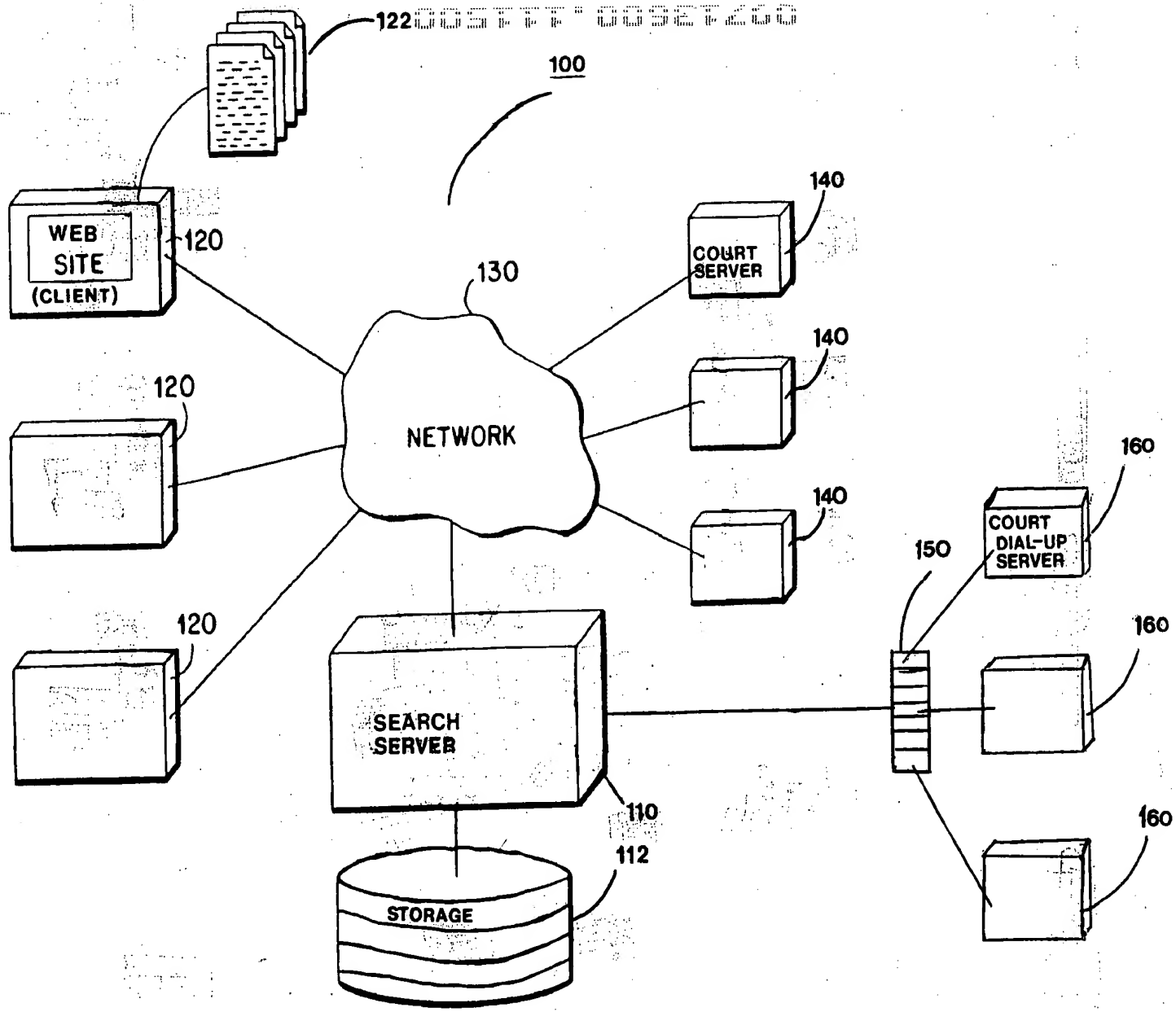

122
100
WEB SITE (CLIENT)
120
120
120
130
NETWORK
140
140
140
COURT SERVER
COURT DIAL-UP SERVER
150
160
160
160
SEARCH SERVER
110
112
STORAGE

FIG. 1

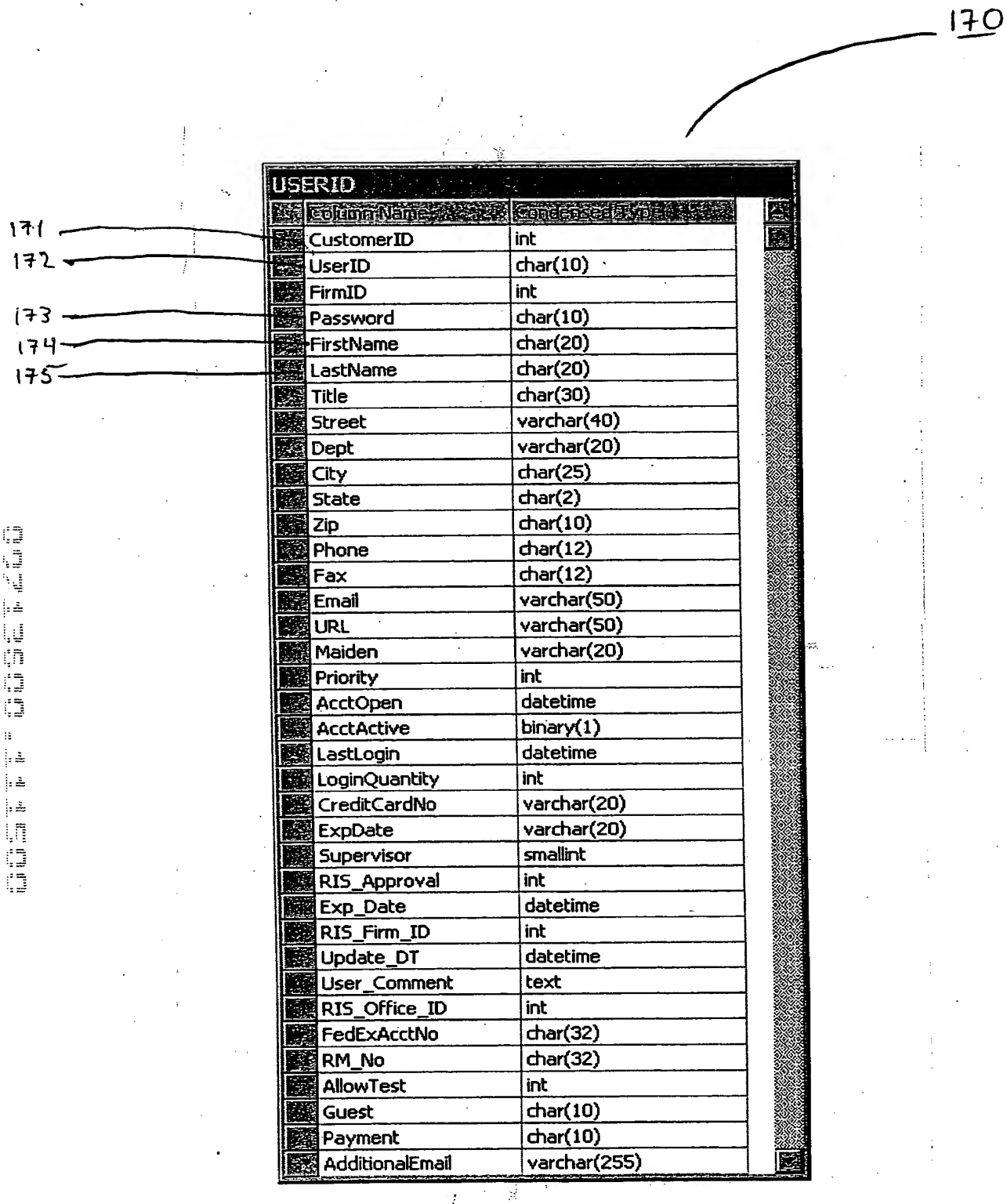

170
USERID
Column Name
Condensed Type
171
172
173
174
175
CustomerID int
UserID char(10)
FirmID int
Password char(10)
FirstName char(20)
LastName char(20)
Title char(30)
Street varchar(40)
Dept varchar(20)
City char(25)
State char(2)
Zip char(10)
Phone char(12)
Fax char(12)
Email varchar(50)
URL varchar(50)
Maiden varchar(20)
Priority int
AcctOpen datetime
AcctActive binary(1)
LastLogin datetime
LoginQuantity int
CreditCardNo varchar(20)
ExpDate varchar(20)
Supervisor smallint
RIS_Approval int
Exp_Date datetime
RIS_Firm_ID int
Update_DT datetime
User_Comment text
RIS_Office_ID int
FedExAcctNo char(32)
RM_No char(32)
AllowTest int
Guest char(10)
Payment char(10)
AdditionalEmail varchar(255)

FIG. 2

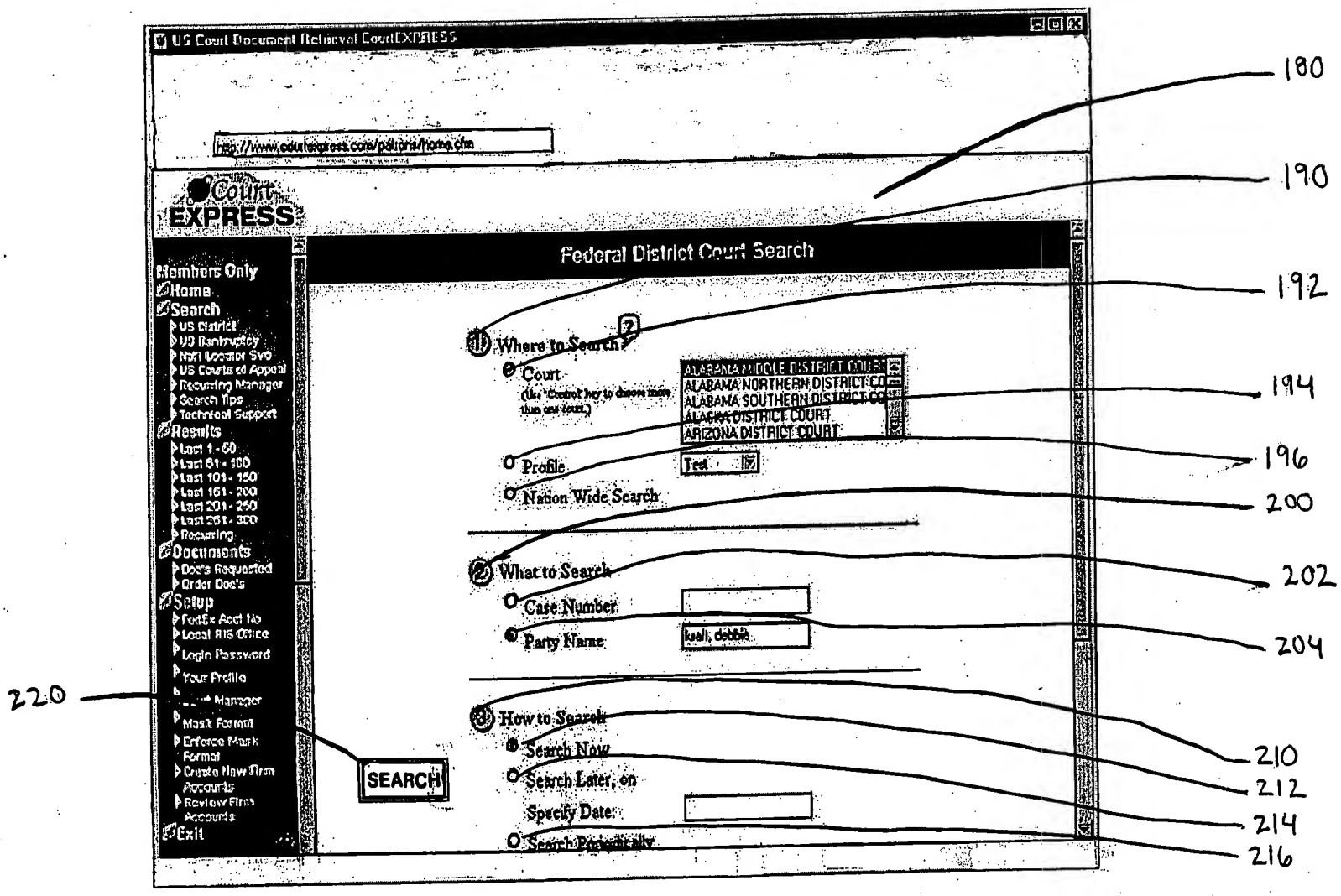

US Court Document Retrieval CourtEXPRESS
http://www.courtexpress.com/pstions/home.cfm
Court EXPRESS
Federal District Court Search
Members Only
Home
Search
US District
US Bankruptcy
Natl Locator Svc
US Courts of Appeal
Recurring Manager
Search Tips
Technical Support
Results
Last 1 - 50
Last 51 - 100
Last 101 - 150
Last 151 - 200
Last 201 - 250
Last 251 - 300
Recurring
Documents
Doc's Requested
Order Doc's
Setup
FedEx Acct No
Local PIS Office
Login Password
Your Profile
Manager
Mask Format
Enforce Mask Format
Create New Firm Accounts
Review Firm Accounts
Exit
1 Where to Search
Court
(Use "Control" key to choose more than one court.)
ALABAMA MIDDLE DISTRICT COURT
ALABAMA NORTHERN DISTRICT CO
ALABAMA SOUTHERN DISTRICT CO
ALASKA DISTRICT COURT
ARIZONA DISTRICT COURT
Profile
Test
Nation Wide Search
2 What to Search
Case Number
Party Name
kuell; debbie
3 How to Search
Search Now
Search Later, on
Specify Date:
Search Periodically
SEARCH
180
190
192
194
196
200
202
204
210
212
214
216
220

FIG. 3

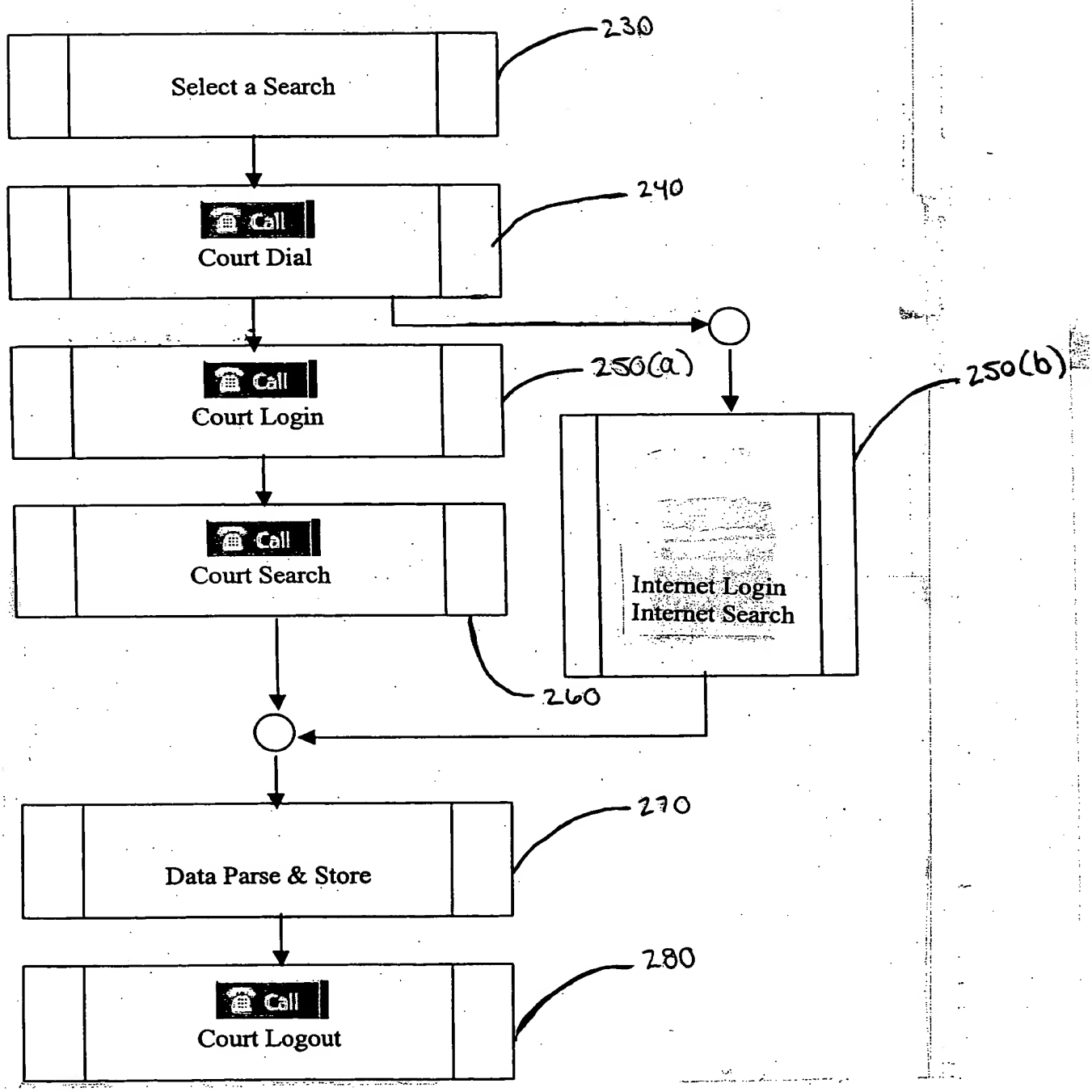

Select a Search
230
Call
Court Dial
240
Call
Court Login
250(a)
Call
Court Search
260
Internet Login
Internet Search
250(b)
Data Parse & Store
270
Call
Court Logout
280

FIG. 4

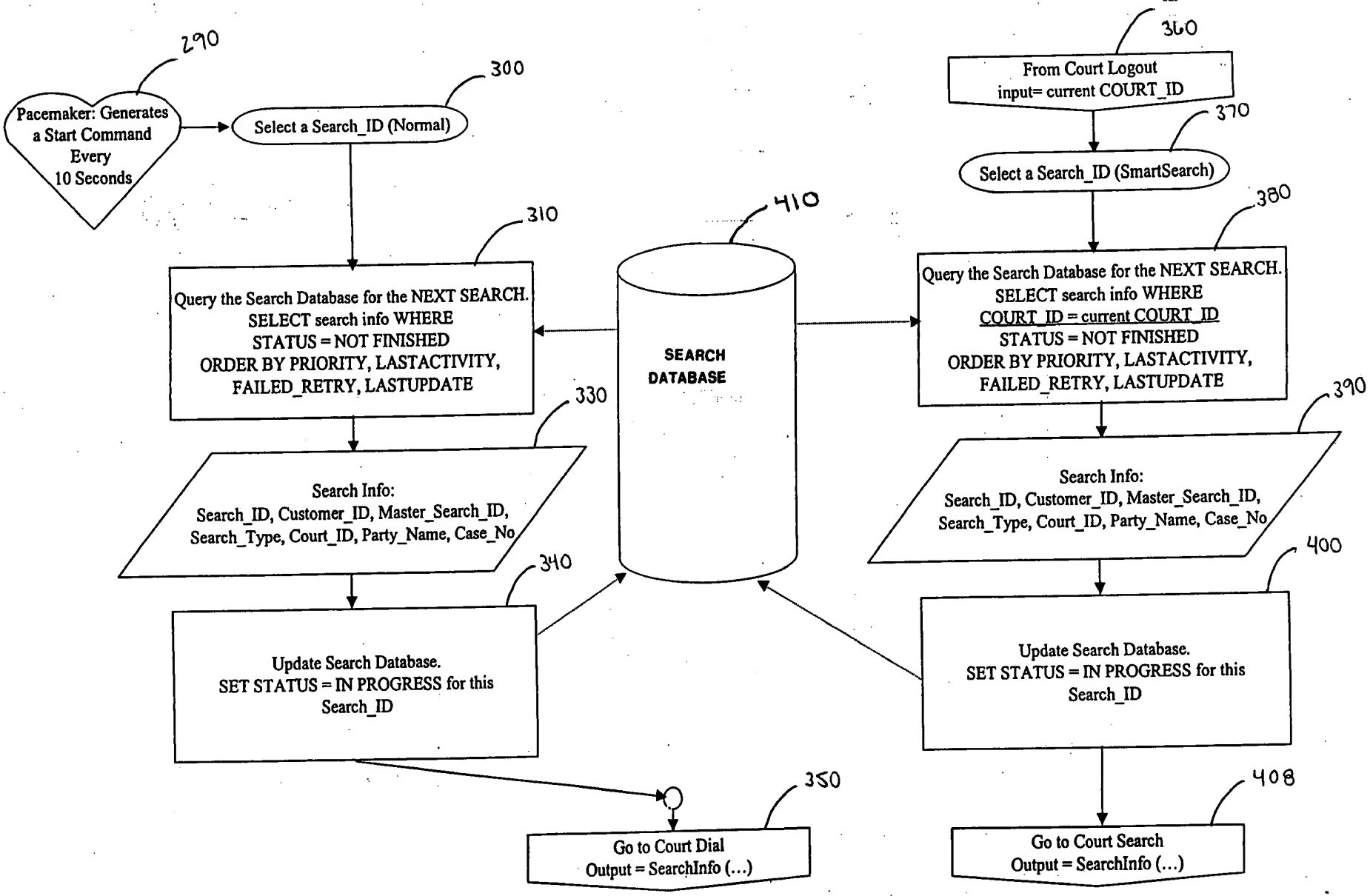

290
Pacemaker: Generates a Start Command Every 10 Seconds
300
Select a Search_ID (Normal)
310
Query the Search Database for the NEXT SEARCH.
SELECT search info WHERE
STATUS = NOT FINISHED
ORDER BY PRIORITY, LASTACTIVITY, FAILED_RETRY, LASTUPDATE
330
Search Info:
Search_ID, Customer_ID, Master_Search_ID, Search_Type, Court_ID, Party_Name, Case_No
340
Update Search Database.
SET STATUS = IN PROGRESS for this Search_ID
350
Go to Court Dial
Output = SearchInfo (...)
410
SEARCH DATABASE
360
From Court Logout
input= current COURT_ID
370
Select a Search_ID (SmartSearch)
380
Query the Search Database for the NEXT SEARCH.
SELECT search info WHERE
COURT_ID = current COURT_ID
STATUS = NOT FINISHED
ORDER BY PRIORITY, LASTACTIVITY, FAILED_RETRY, LASTUPDATE
390
Search Info:
Search_ID, Customer_ID, Master_Search_ID, Search_Type, Court_ID, Party_Name, Case_No
400
Update Search Database.
SET STATUS = IN PROGRESS for this Search_ID
408
Go to Court Search
Output = SearchInfo (...)

FIG. 5

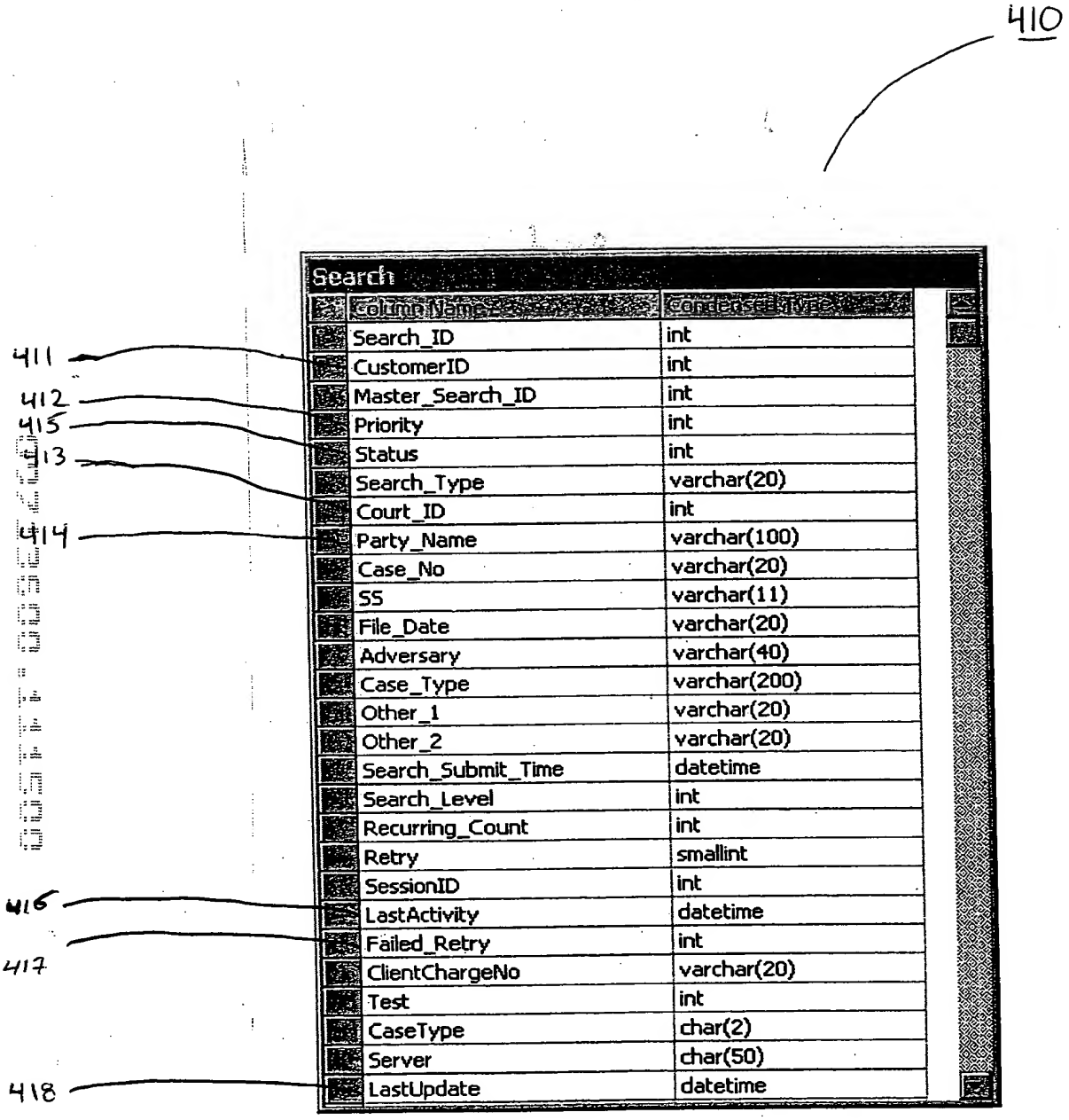

410
Search
Column Name
Condensed Type
Search_ID
int
411
CustomerID
int
412
Master_Search_ID
int
415
Priority
int
Status
int
413
Search_Type
varchar(20)
Court_ID
int
414
Party_Name
varchar(100)
Case_No
varchar(20)
SS
varchar(11)
File_Date
varchar(20)
Adversary
varchar(40)
Case_Type
varchar(200)
Other_1
varchar(20)
Other_2
varchar(20)
Search_Submit_Time
datetime
Search_Level
int
Recurring_Count
int
Retry
smallint
SessionID
int
416
LastActivity
datetime
Failed_Retry
int
417
ClientChargeNo
varchar(20)
Test
int
CaseType
char(2)
Server
char(50)
418
LastUpdate
datetime

FIG. 6

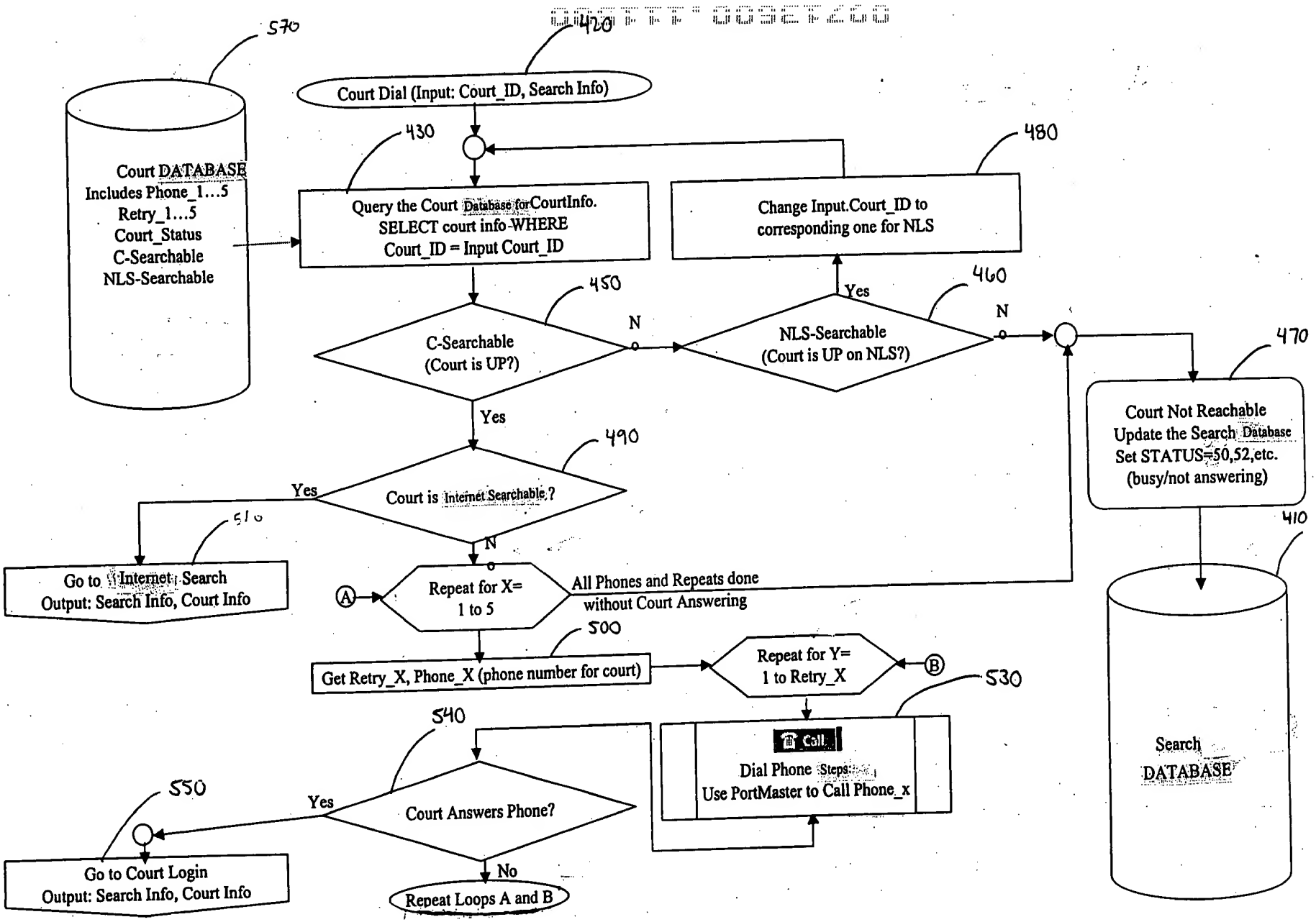

570
Court DATABASE
Includes Phone_1...5
Retry_1...5
Court_Status
C-Searchable
NLS-Searchable
420
Court Dial (Input: Court_ID, Search Info)
430
Query the Court Database for CourtInfo.
SELECT court info WHERE
Court_ID = Input Court_ID
480
Change Input.Court_ID to
corresponding one for NLS
450
C-Searchable
(Court is UP?)
N
Yes
460
NLS-Searchable
(Court is UP on NLS?)
Yes
N
470
Court Not Reachable
Update the Search Database
Set STATUS=50,52,etc.
(busy/not answering)
410
Search
DATABASE
Yes
490
Court is Internet Searchable?
N
510
Go to Internet Search
Output: Search Info, Court Info
A
Repeat for X=
1 to 5
All Phones and Repeats done
without Court Answering
500
Get Retry_X, Phone_X (phone number for court)
Repeat for Y=
1 to Retry_X
B
530
Call
Dial Phone Steps:
Use PortMaster to Call Phone_x
540
Court Answers Phone?
Yes
No
550
Go to Court Login
Output: Search Info, Court Info
Repeat Loops A and B

FIG. 7

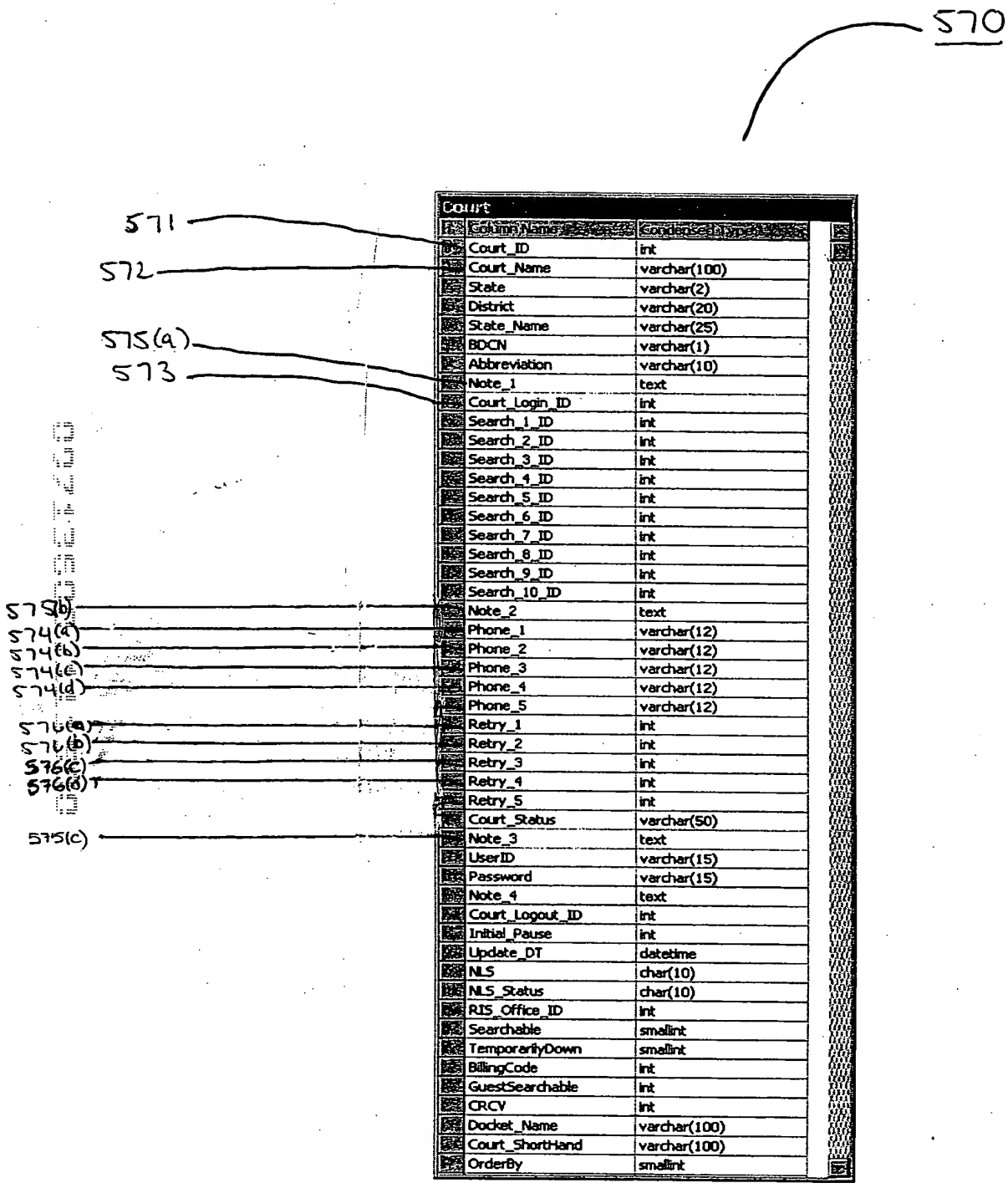

570
Court
Column Name
Condensed Type
Court_ID
int
Court_Name
varchar(100)
State
varchar(2)
District
varchar(20)
State_Name
varchar(25)
BDCN
varchar(1)
Abbreviation
varchar(10)
Note_1
text
Court_Login_ID
int
Search_1_ID
int
Search_2_ID
int
Search_3_ID
int
Search_4_ID
int
Search_5_ID
int
Search_6_ID
int
Search_7_ID
int
Search_8_ID
int
Search_9_ID
int
Search_10_ID
int
Note_2
text
Phone_1
varchar(12)
Phone_2
varchar(12)
Phone_3
varchar(12)
Phone_4
varchar(12)
Phone_5
varchar(12)
Retry_1
int
Retry_2
int
Retry_3
int
Retry_4
int
Retry_5
int
Court_Status
varchar(50)
Note_3
text
UserID
varchar(15)
Password
varchar(15)
Note_4
text
Court_Logout_ID
int
Initial_Pause
int
Update_DT
datetime
NLS
char(10)
NLS_Status
char(10)
RIS_Office_ID
int
Searchable
smallint
TemporarilyDown
smallint
BillingCode
int
GuestSearchable
int
CRCV
int
Docket_Name
varchar(100)
Court_ShortHand
varchar(100)
OrderBy
smallint
571
572
575(a)
573
575(b)
574(a)
574(b)
574(c)
574(d)
576(a)
576(b)
576(c)
576(d)
575(c)

FIG. 8

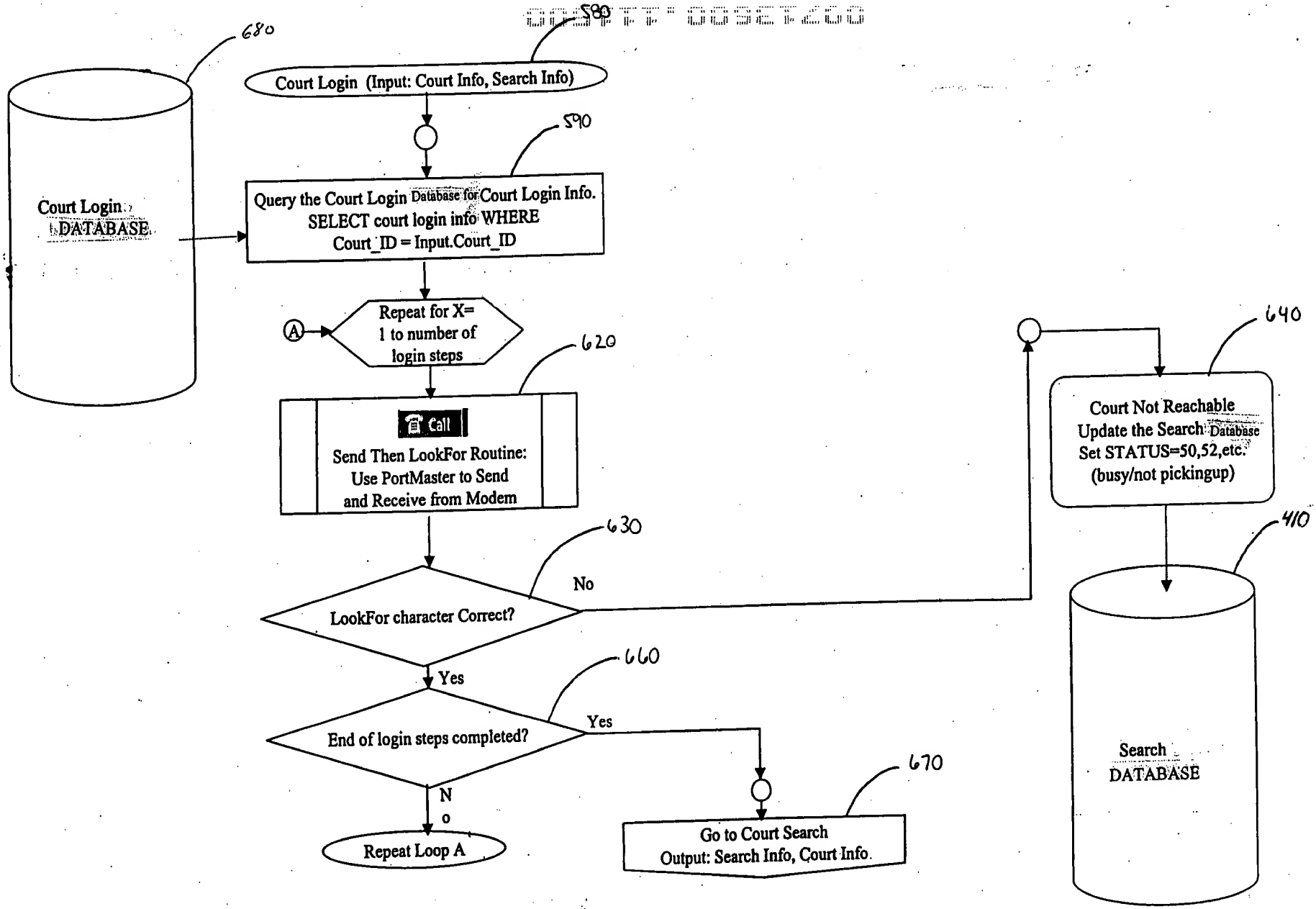

680
Court Login DATABASE
580
Court Login (Input: Court Info, Search Info)
590
Query the Court Login Database for Court Login Info.
SELECT court login info WHERE
Court_ID = Input.Court_ID
A
Repeat for X= 1 to number of login steps
620
Call
Send Then LookFor Routine:
Use PortMaster to Send
and Receive from Modem
630
LookFor character Correct?
No
Yes
660
End of login steps completed?
Yes
No
Repeat Loop A
670
Go to Court Search
Output: Search Info, Court Info.
640
Court Not Reachable
Update the Search Database
Set STATUS=50,52,etc.
(busy/not pickingup)
410
Search DATABASE

FIG. 9

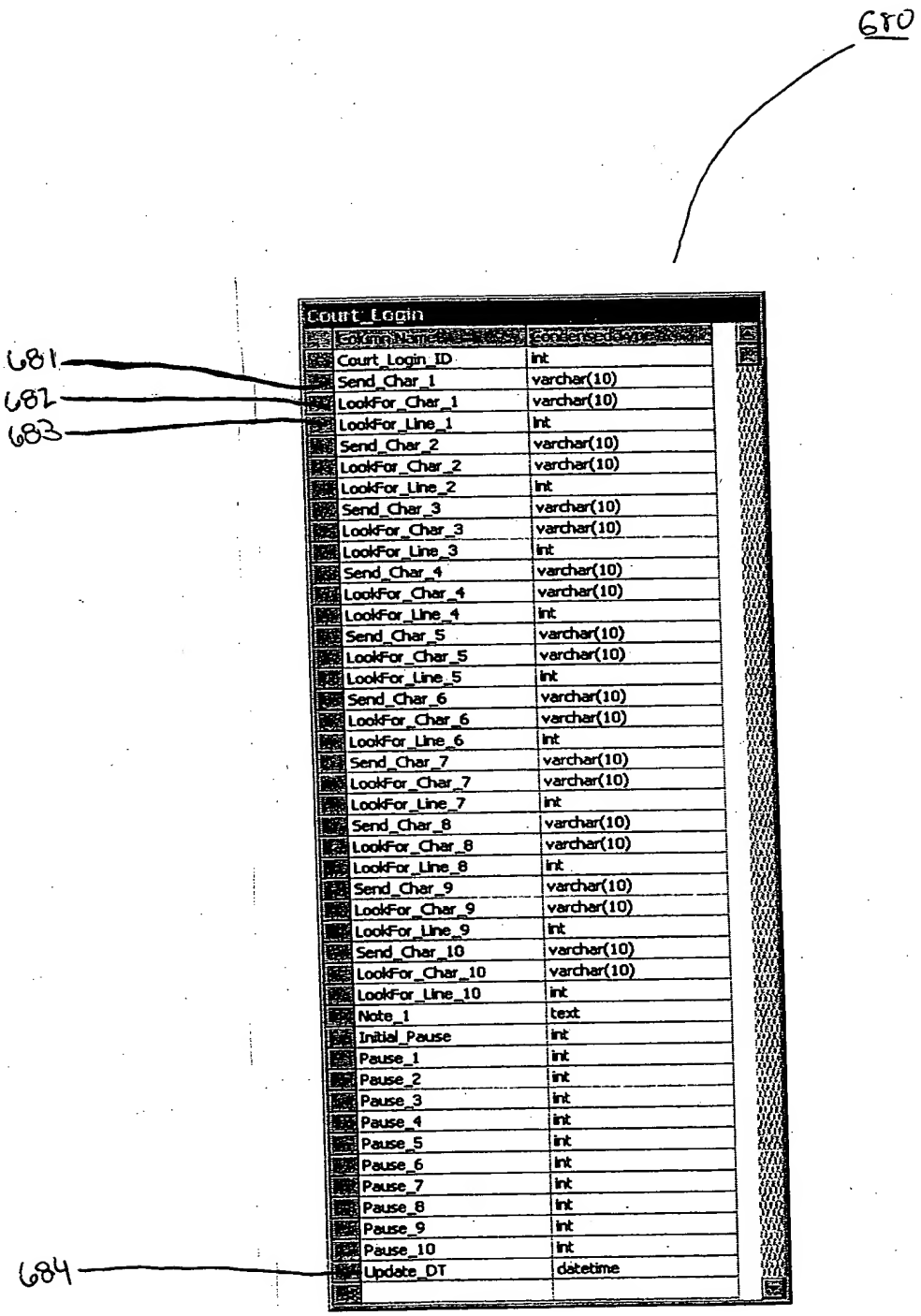

680
Court_Login
Column Name
Condensed Type
Court_Login_ID
int
Send_Char_1
varchar(10)
LookFor_Char_1
varchar(10)
LookFor_Line_1
int
Send_Char_2
varchar(10)
LookFor_Char_2
varchar(10)
LookFor_Line_2
int
Send_Char_3
varchar(10)
LookFor_Char_3
varchar(10)
LookFor_Line_3
int
Send_Char_4
varchar(10)
LookFor_Char_4
varchar(10)
LookFor_Line_4
int
Send_Char_5
varchar(10)
LookFor_Char_5
varchar(10)
LookFor_Line_5
int
Send_Char_6
varchar(10)
LookFor_Char_6
varchar(10)
LookFor_Line_6
int
Send_Char_7
varchar(10)
LookFor_Char_7
varchar(10)
LookFor_Line_7
int
Send_Char_8
varchar(10)
LookFor_Char_8
varchar(10)
LookFor_Line_8
int
Send_Char_9
varchar(10)
LookFor_Char_9
varchar(10)
LookFor_Line_9
int
Send_Char_10
varchar(10)
LookFor_Char_10
varchar(10)
LookFor_Line_10
int
Note_1
text
Initial_Pause
int
Pause_1
int
Pause_2
int
Pause_3
int
Pause_4
int
Pause_5
int
Pause_6
int
Pause_7
int
Pause_8
int
Pause_9
int
Pause_10
int
Update_DT
datetime
681
682
683
684

FIG. 10

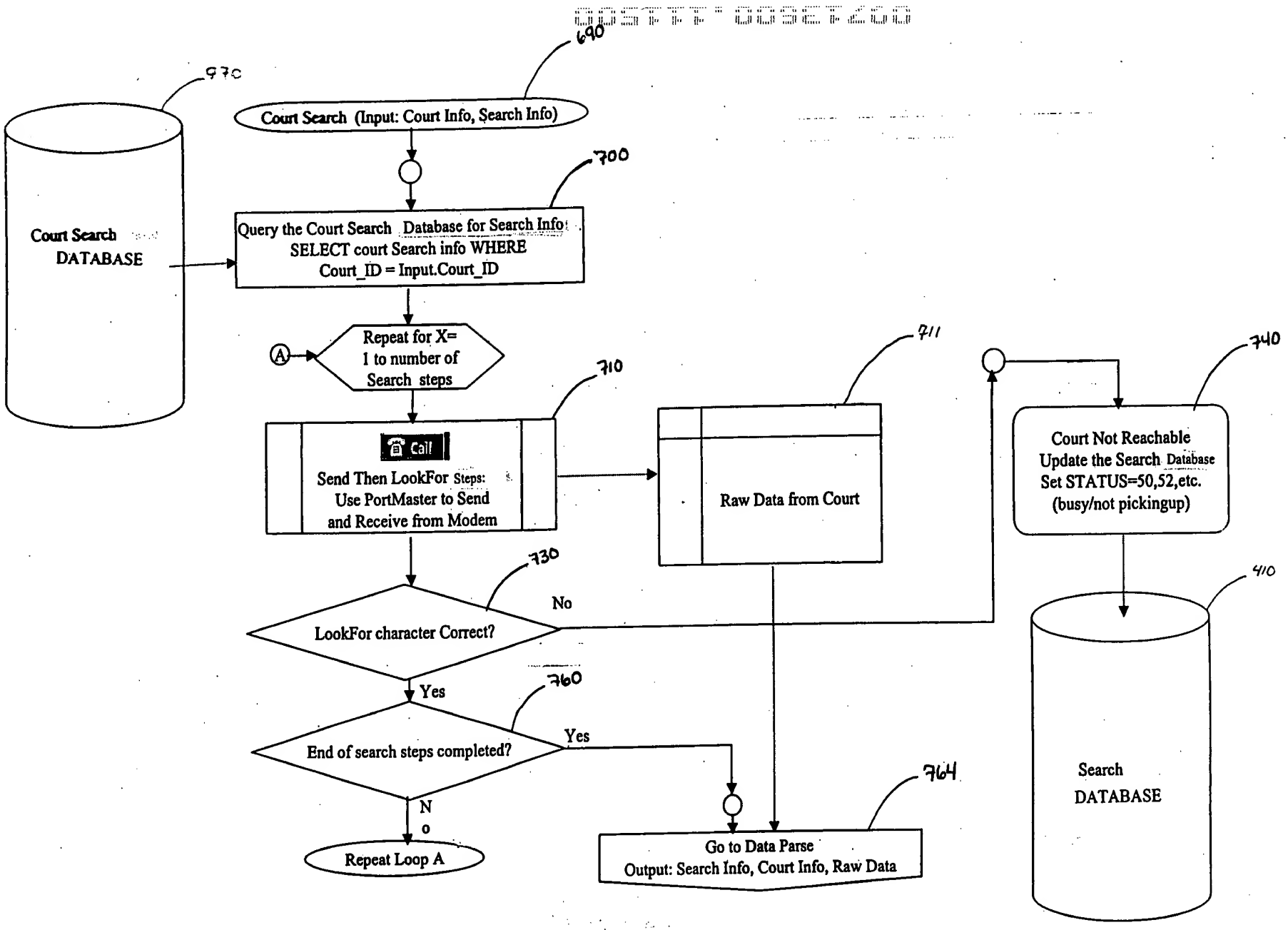
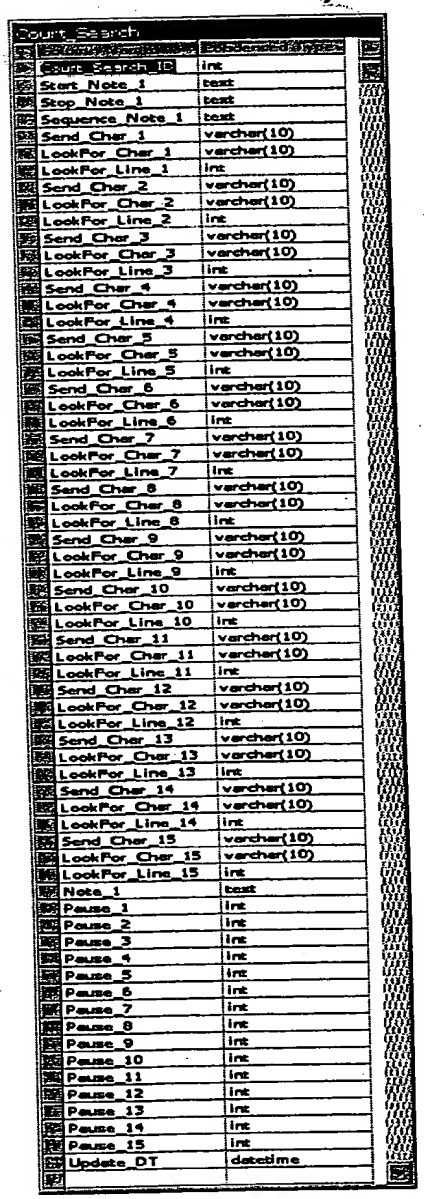

690
970
Court Search (Input: Court Info, Search Info)
700
Court Search DATABASE
Query the Court Search Database for Search Info:
SELECT court Search info WHERE
Court_ID = Input.Court_ID
A
Repeat for X=
1 to number of
Search steps
710
Call
Send Then LookFor Steps:
Use PortMaster to Send
and Receive from Modem
711
Raw Data from Court
740
Court Not Reachable
Update the Search Database
Set STATUS=50,52,etc.
(busy/not pickingup)
730
No
LookFor character Correct?
Yes
760
End of search steps completed?
Yes
No
Repeat Loop A
764
Go to Data Parse
Output: Search Info, Court Info, Raw Data
410
Search
DATABASE

FIG. 11

770



Count_Search	
Count_Search_ID	int
Start_Note_1	text
Stop_Note_1	text
Sequence_Note_1	text
Send_Char_1	varchar(10)
LookFor_Char_1	varchar(10)
LookFor_Line_1	int
Send_Char_2	varchar(10)
LookFor_Char_2	varchar(10)
LookFor_Line_2	int
Send_Char_3	varchar(10)
LookFor_Char_3	varchar(10)
LookFor_Line_3	int
Send_Char_4	varchar(10)
LookFor_Char_4	varchar(10)
LookFor_Line_4	int
Send_Char_5	varchar(10)
LookFor_Char_5	varchar(10)
LookFor_Line_5	int
Send_Char_6	varchar(10)
LookFor_Char_6	varchar(10)
LookFor_Line_6	int
Send_Char_7	varchar(10)
LookFor_Char_7	varchar(10)
LookFor_Line_7	int
Send_Char_8	varchar(10)
LookFor_Char_8	varchar(10)
LookFor_Line_8	int
Send_Char_9	varchar(10)
LookFor_Char_9	varchar(10)
LookFor_Line_9	int
Send_Char_10	varchar(10)
LookFor_Char_10	varchar(10)
LookFor_Line_10	int
Send_Char_11	varchar(10)
LookFor_Char_11	varchar(10)
LookFor_Line_11	int
Send_Char_12	varchar(10)
LookFor_Char_12	varchar(10)
LookFor_Line_12	int
Send_Char_13	varchar(10)
LookFor_Char_13	varchar(10)
LookFor_Line_13	int
Send_Char_14	varchar(10)
LookFor_Char_14	varchar(10)
LookFor_Line_14	int
Send_Char_15	varchar(10)
LookFor_Char_15	varchar(10)
LookFor_Line_15	int
Note_1	text
Pause_1	int
Pause_2	int
Pause_3	int
Pause_4	int
Pause_5	int
Pause_6	int
Pause_7	int
Pause_8	int
Pause_9	int
Pause_10	int
Pause_11	int
Pause_12	int
Pause_13	int
Pause_14	int
Pause_15	int
Update_DT	datetime

FIG. 12

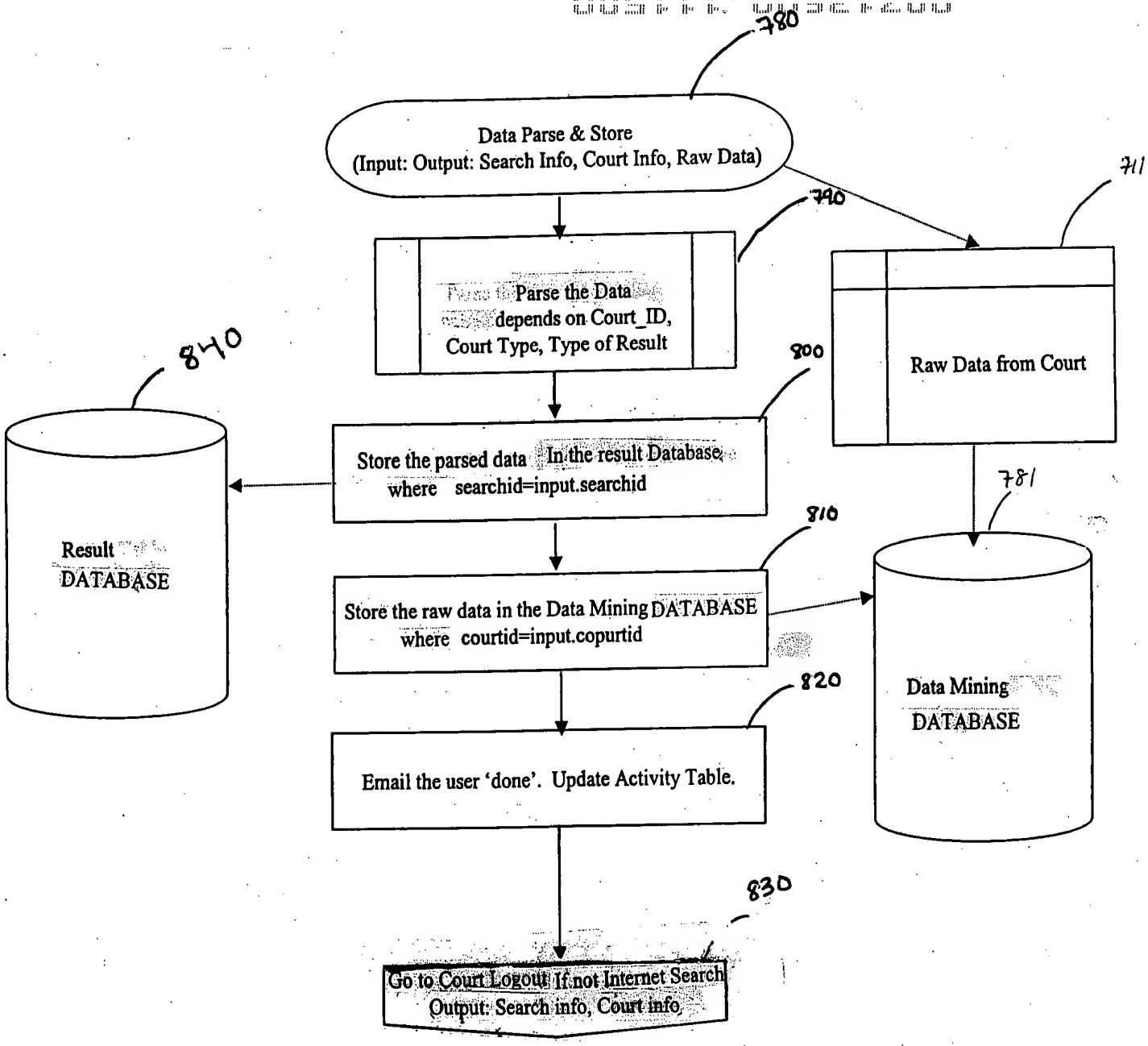

780
Data Parse & Store
(Input: Output: Search Info, Court Info, Raw Data)
790
Parse the Data
depends on Court_ID,
Court Type, Type of Result
711
Raw Data from Court
840
Result
DATABASE
800
Store the parsed data In the result Database
where searchid=input.searchid
781
810
Store the raw data in the Data Mining DATABASE
where courtid=input.copurtid
Data Mining
DATABASE
820
Email the user 'done'. Update Activity Table.
830
Go to Court Logout If not Internet Search
Output: Search info, Court info,

FIG. 13

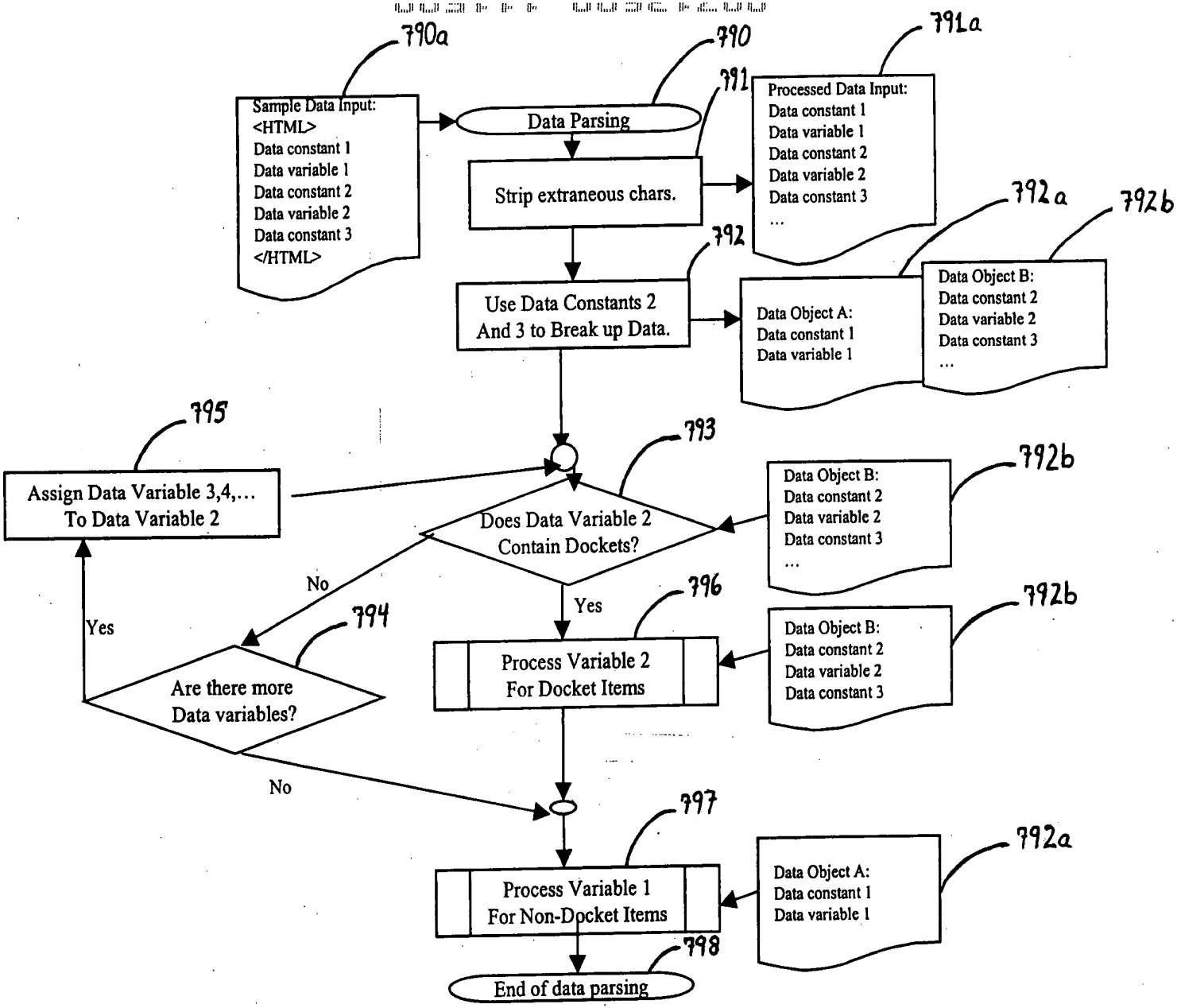

790a
Sample Data Input:
<HTML>
Data constant 1
Data variable 1
Data constant 2
Data variable 2
Data constant 3
</HTML>
790
Data Parsing
791
791a
Processed Data Input:
Data constant 1
Data variable 1
Data constant 2
Data variable 2
Data constant 3
...
Strip extraneous chars.
792
Use Data Constants 2
And 3 to Break up Data.
792a
Data Object A:
Data constant 1
Data variable 1
792b
Data Object B:
Data constant 2
Data variable 2
Data constant 3
...
795
Assign Data Variable 3,4,...
To Data Variable 2
793
Does Data Variable 2
Contain Dockets?
No
Yes
794
Are there more
Data variables?
Yes
No
796
Process Variable 2
For Docket Items
797
Process Variable 1
For Non-Docket Items
798
End of data parsing

FIG. 13a

840

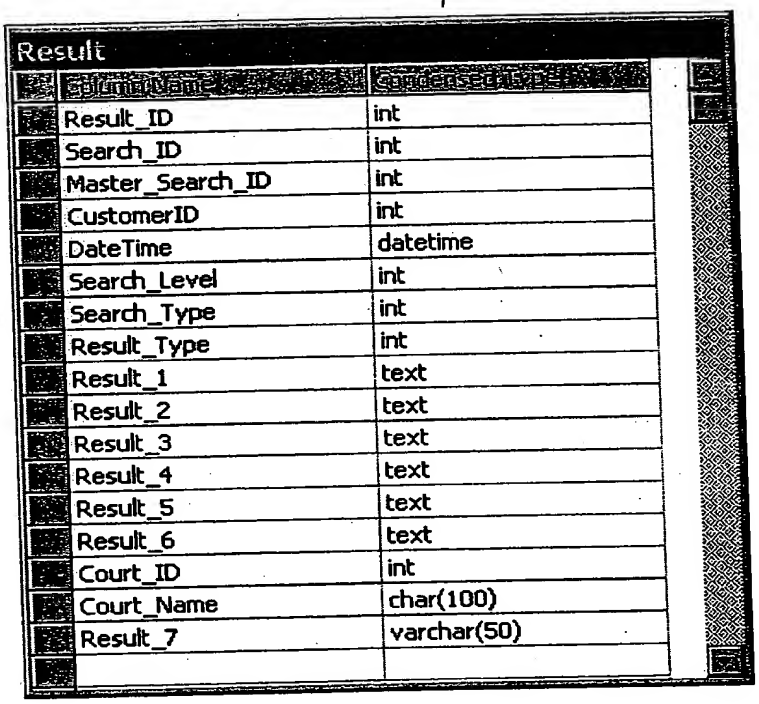

Result
Result_ID int
Search_ID int
Master_Search_ID int
CustomerID int
DateTime datetime
Search_Level int
Search_Type int
Result_Type int
Result_1 text
Result_2 text
Result_3 text
Result_4 text
Result_5 text
Result_6 text
Court_ID int
Court_Name char(100)
Result_7 varchar(50)

FIG. 14

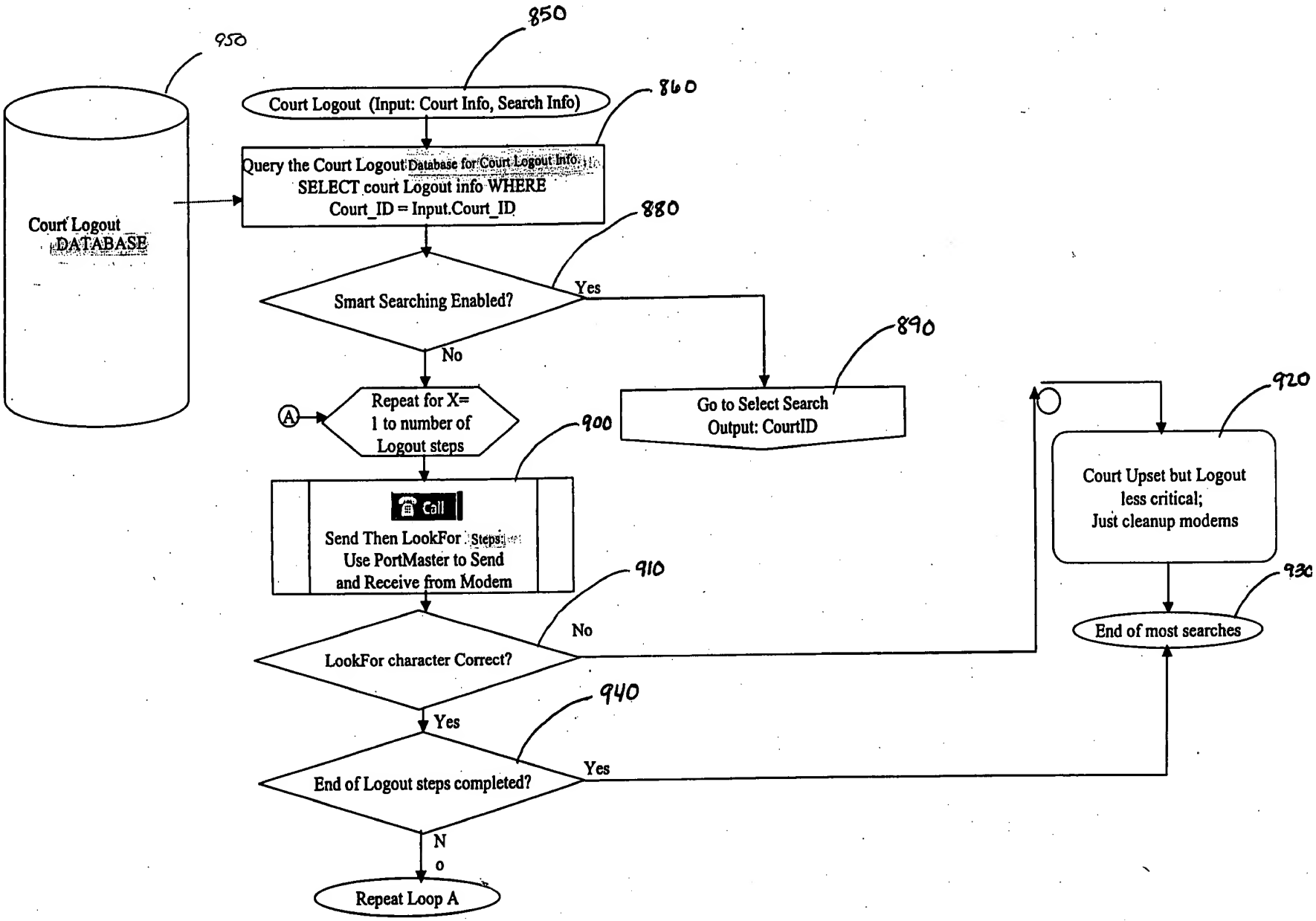
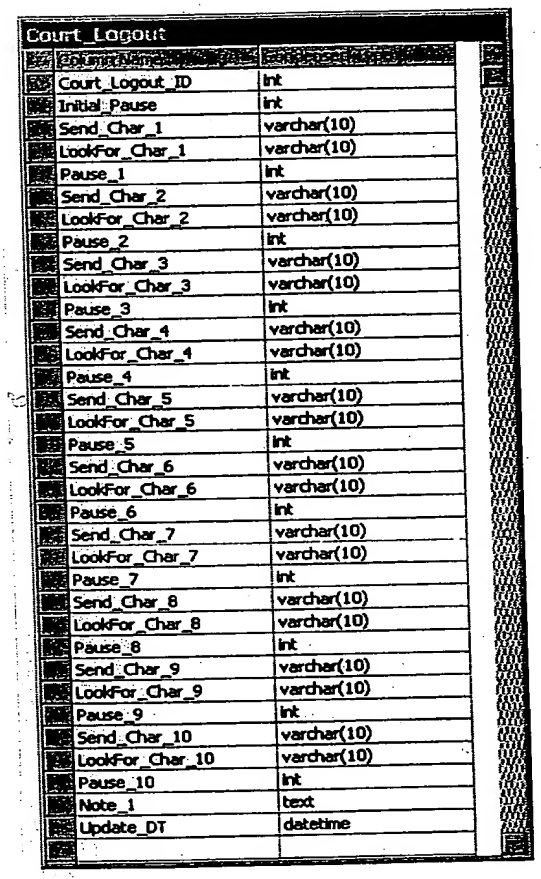

850
950
Court Logout (Input: Court Info, Search Info)
860
Query the Court Logout Database for Court Logout Info:
SELECT court Logout info WHERE
Court_ID = Input.Court_ID
Court Logout
DATABASE
880
Smart Searching Enabled?
Yes
No
890
Go to Select Search
Output: CourtID
A
Repeat for X=
1 to number of
Logout steps
900
Call
Send Then LookFor Steps:
Use PortMaster to Send
and Receive from Modem
910
LookFor character Correct?
No
Yes
940
End of Logout steps completed?
Yes
N
o
Repeat Loop A
920
Court Upset but Logout
less critical;
Just cleanup modems
930
End of most searches

FIG. 15

950



Court_Logout

Column Name	Data Type
Court_Logout_ID	int
Initial_Pause	int
Send_Char_1	varchar(10)
LookFor_Char_1	varchar(10)
Pause_1	int
Send_Char_2	varchar(10)
LookFor_Char_2	varchar(10)
Pause_2	int
Send_Char_3	varchar(10)
LookFor_Char_3	varchar(10)
Pause_3	int
Send_Char_4	varchar(10)
LookFor_Char_4	varchar(10)
Pause_4	int
Send_Char_5	varchar(10)
LookFor_Char_5	varchar(10)
Pause_5	int
Send_Char_6	varchar(10)
LookFor_Char_6	varchar(10)
Pause_6	int
Send_Char_7	varchar(10)
LookFor_Char_7	varchar(10)
Pause_7	int
Send_Char_8	varchar(10)
LookFor_Char_8	varchar(10)
Pause_8	int
Send_Char_9	varchar(10)
LookFor_Char_9	varchar(10)
Pause_9	int
Send_Char_10	varchar(10)
LookFor_Char_10	varchar(10)
Pause_10	int
Note_1	text
Update_DT	datetime

FIG. 16

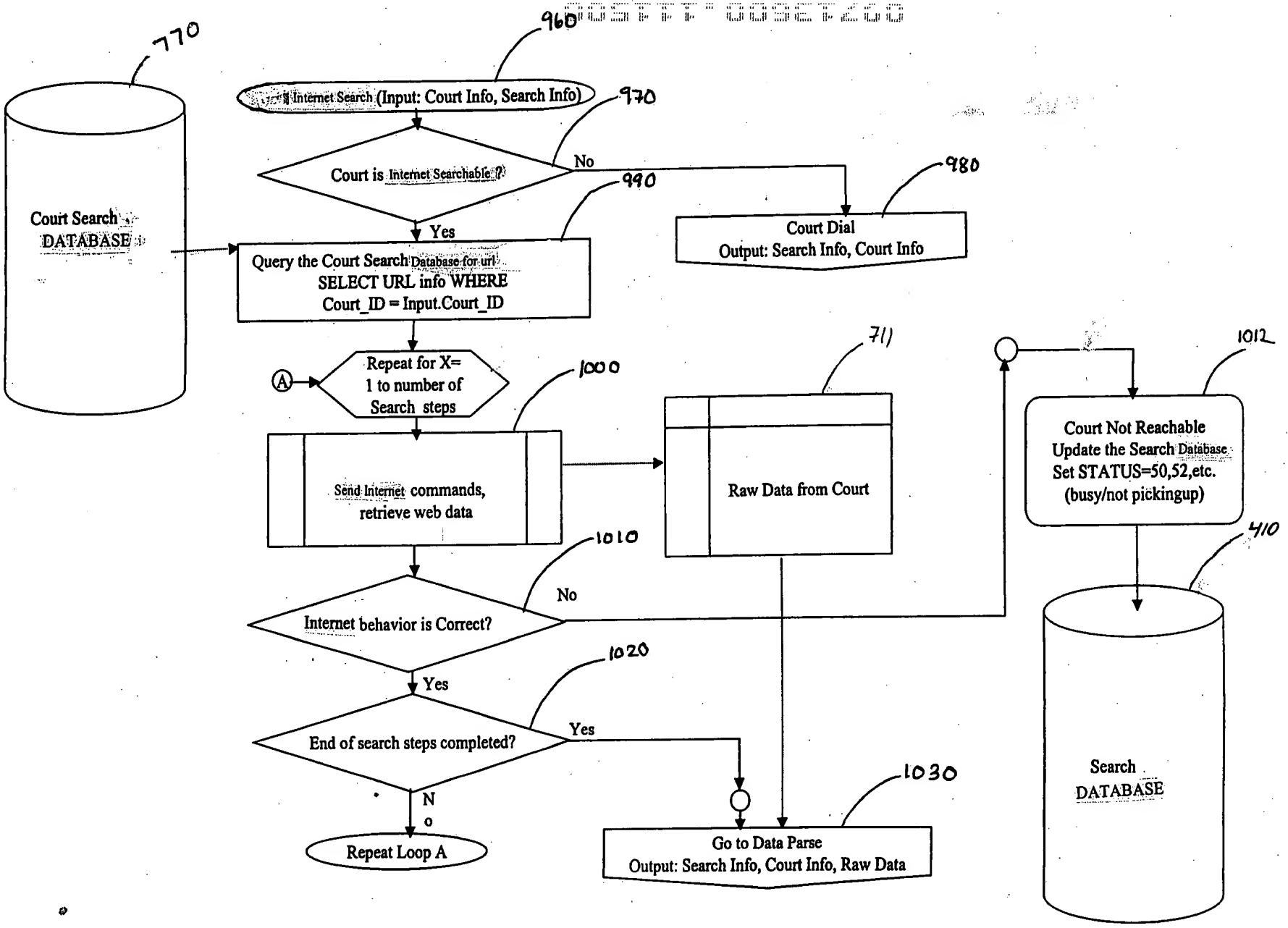

770
960
Internet Search (Input: Court Info, Search Info)
970
Court is Internet Searchable ?
No
980
Court Dial
Output: Search Info, Court Info
Yes
990
Court Search DATABASE
Query the Court Search Database for url
SELECT URL info WHERE
Court_ID = Input.Court_ID
A
Repeat for X=
1 to number of
Search steps
1000
711
Send Internet commands,
retrieve web data
Raw Data from Court
1012
Court Not Reachable
Update the Search Database
Set STATUS=50,52,etc.
(busy/not pickingup)
410
1010
No
Internet behavior is Correct?
Yes
1020
End of search steps completed?
Yes
No
Repeat Loop A
1030
Go to Data Parse
Output: Search Info, Court Info, Raw Data
Search DATABASE

FIG. 17

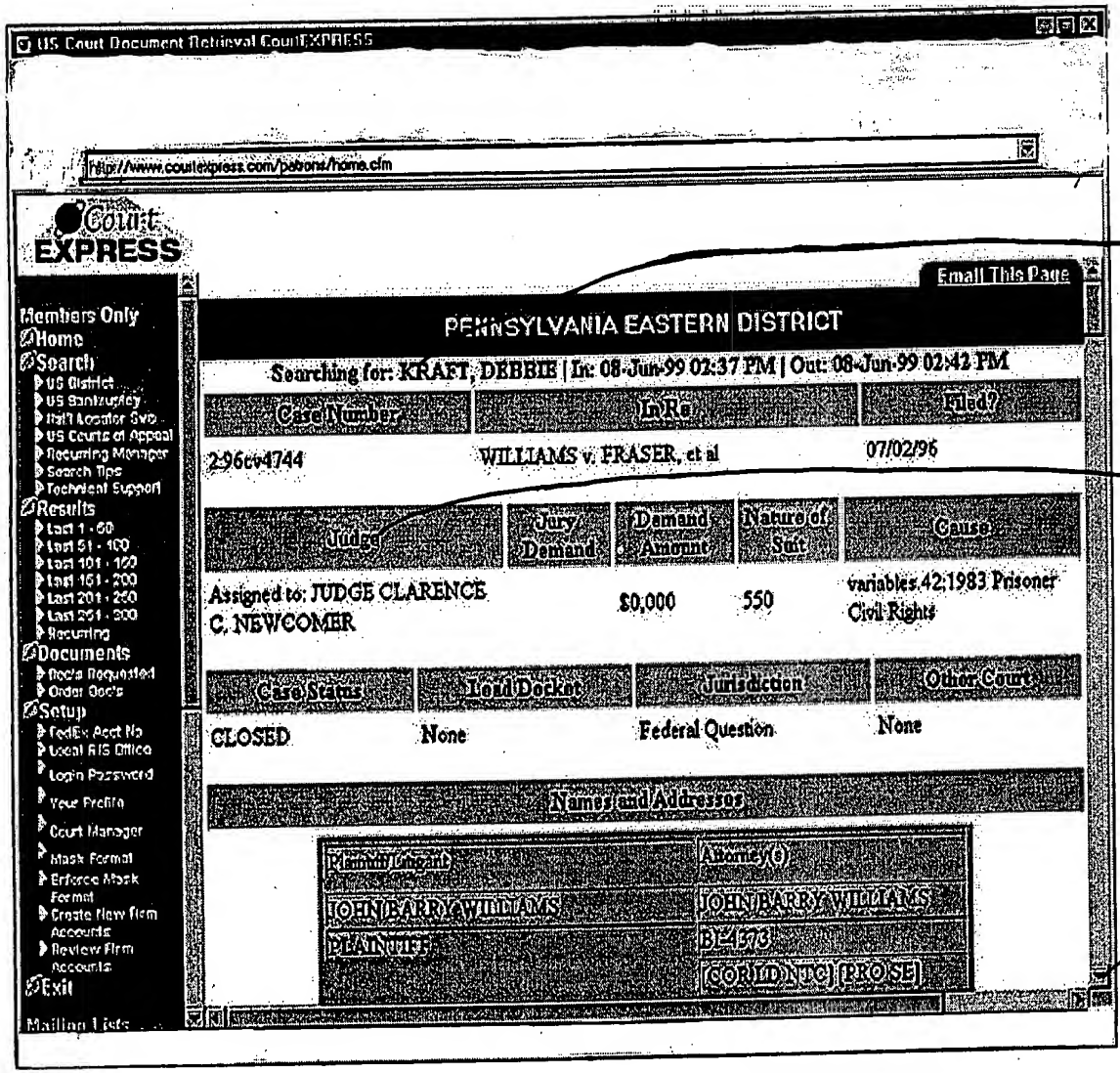
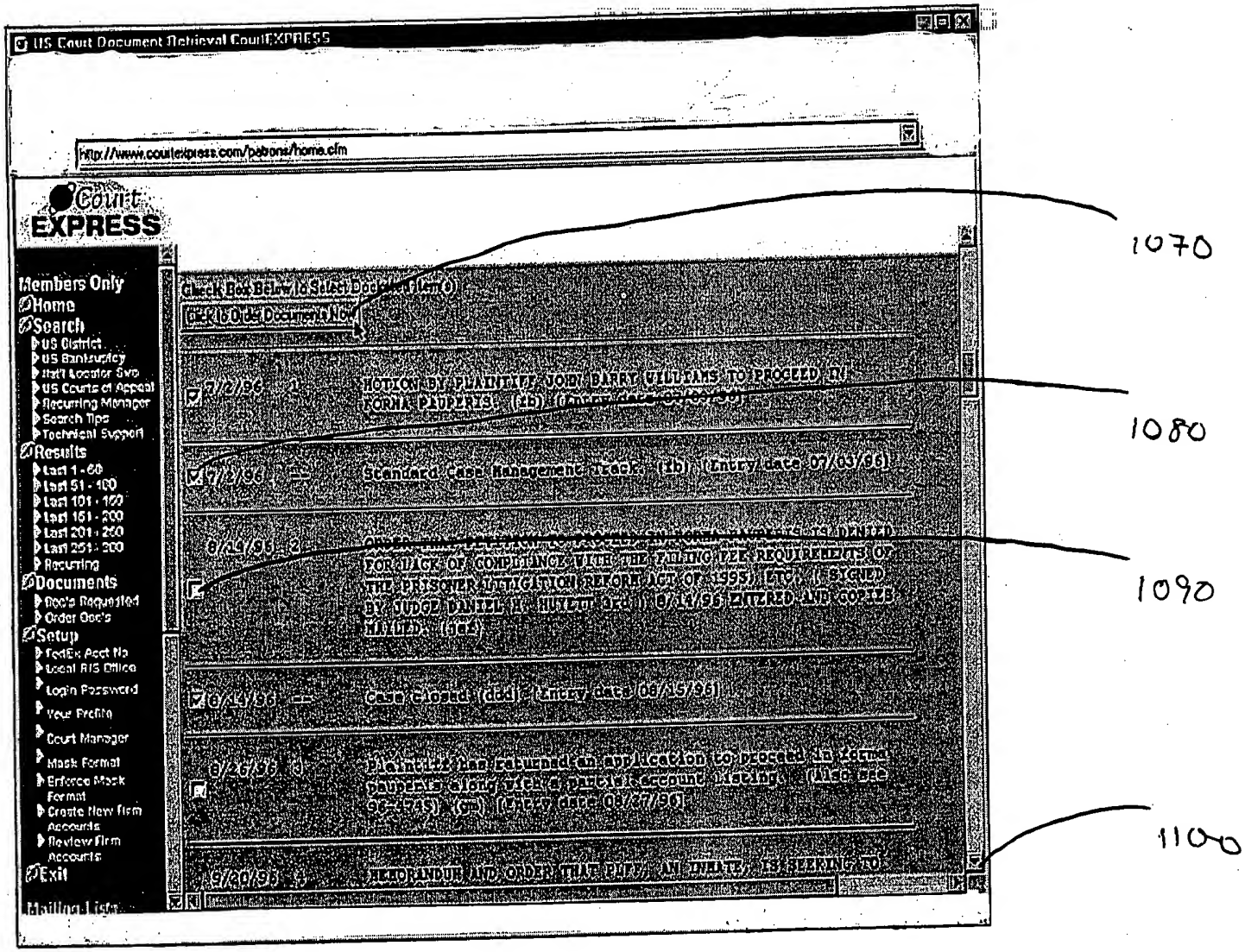

US Court Document Retrieval CourtEXPRESS
http://www.courtexpress.com/pebrons/home.cfm
Court EXPRESS
Members Only
Home
Search
US District
US Bankruptcy
Multi Locator Svcs
US Courts of Appeal
Recurring Manager
Search Tips
Technical Support
Results
Last 1 - 50
Last 51 - 100
Last 101 - 150
Last 151 - 200
Last 201 - 250
Last 251 - 300
Recurring
Documents
Docs Requested
Order Docs
Setup
FedEx Acct No
Local RIS Office
Login Password
Your Profile
Court Manager
Mask Format
Enforce Mask Format
Create New Firm Accounts
Review Firm Accounts
Exit
Mailing Lists
Email This Page
PENNSYLVANIA EASTERN DISTRICT
Searching for: KRAFT, DEBBIE | In: 08-Jun-99 02:37 PM | Out: 08-Jun-99 02:42 PM
Case Number
In Re
Filed?
2:96cv4744
WILLIAMS v. FRASER, et al
07/02/96
Judge
Jury Demand
Demand Amount
Nature of Suit
Cause
Assigned to: JUDGE CLARENCE C. NEWCOMER
$0,000
550
variables 42:1983 Prisoner Civil Rights
Case Status
Lead Docket
Jurisdiction
Other Courts
CLOSED
None
Federal Question
None
Names and Addresses
Plaintiff Litigant
Attorney(s)
JOHN BARRY WILLIAMS
JOHN BARRY WILLIAMS
PLAINTIFF
BI-4573
[CORLDNTC] [PRO SE]
1040
1050
1060

FIG. 18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US Courts of Appeal
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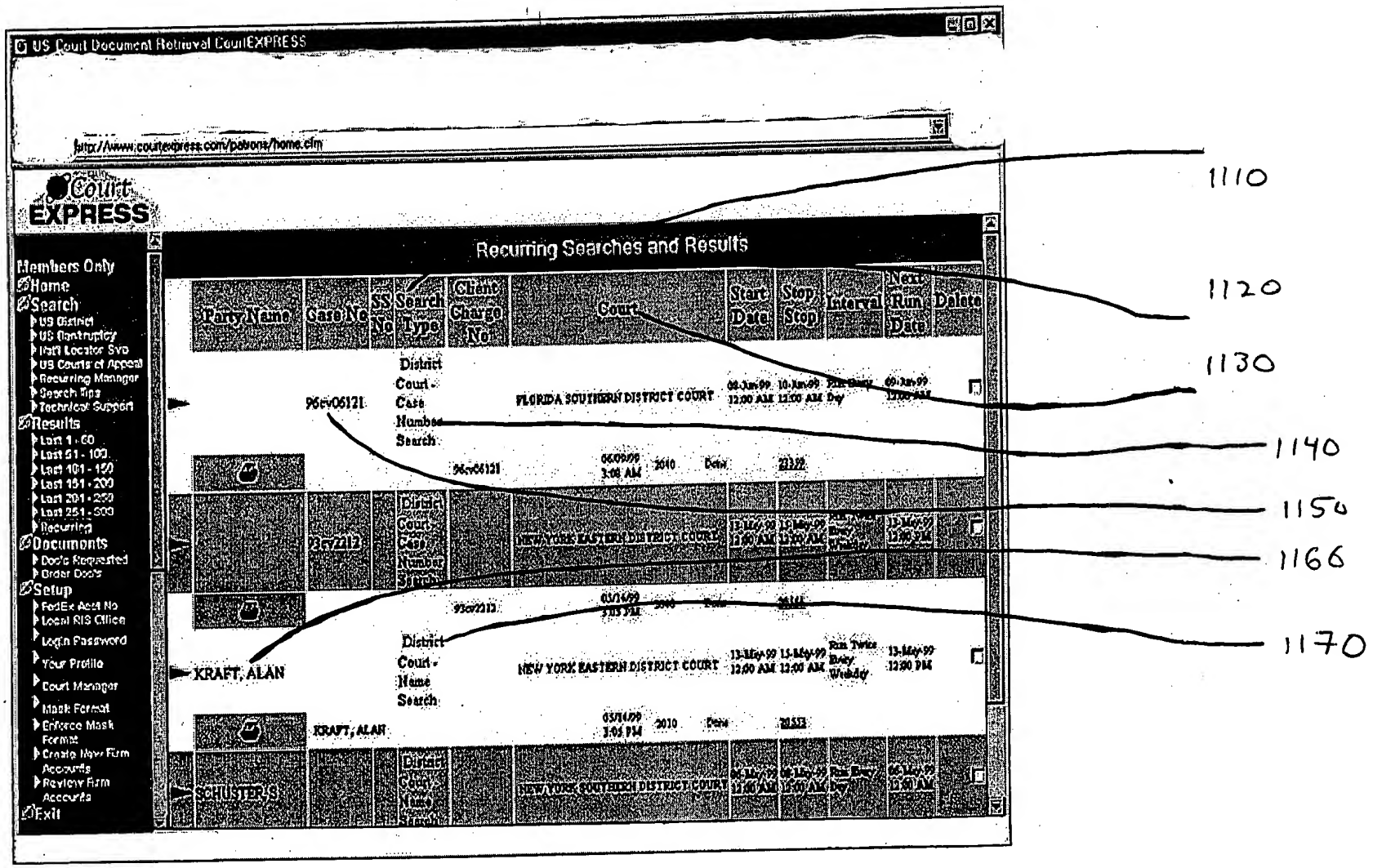
Last 1 - 50
Last 51 - 100
Last 101 - 150
Last 151 - 200
Last 201 - 250
Last 251 - 300
Recurring
Documents
Docs Requested
Order Doc's
Setup
FedEx Acct No
Local RIS Office
Login Password
Your Profile
Court Manager
Mask Format
Enforce Mask Format
Create New Firm Accounts
Review Firm Accounts
Exit
Check Box Below to Select Document Item(s)
Click to Order Document(s) Now
7/2/96 2 MOTION BY PLAINTIFF JOHN BARRY WILLIAMS TO PROCEED IN FORMA PAUPERIS. (tb) (Entry date 07/03/96)
7/2/96 -- Standard Case Management Track. (tb) (Entry date 07/03/96)
8/14/96 3 ORDER GRANTING PLAINTIFF'S MOTION TO PROCEED IN FORMA PAUPERIS. FILING FEE WAIVED. COMPLAINT DISMISSED FOR LACK OF COMPLIANCE WITH THE FILING FEE REQUIREMENTS OF THE PRISONER LITIGATION REFORM ACT OF 1995, ETC. (SIGNED BY JUDGE DANIEL W. HURLEY) 8/14/96 ENTERED AND COPIES MAILED. (tb)
8/14/96 -- Case Closed. (ddd) (Entry date 08/15/96)
8/26/96 4 Plaintiff has returned an application to proceed in forma pauperis along with a partial account listing. (dist dec 96-1745) (tb) (Entry date 08/27/96)
9/30/96 5 MEMORANDUM AND ORDER THAT PLAINTIFF, AN INMATE, IS SEEKING TO
1070
1080
1090
1100

FIG. 19


US Court Document Retrieval CourtEXPRESS
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Last 1 - 50
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Last 101 - 150
Last 151 - 200
Last 201 - 250
Last 251 - 300
Recurring
Documents
Docs Requested
Order Docs
Setup
FedEx Acct No
Local RIS Office
Login Password
Your Profile
Court Manager
Mask Format
Enforce Mask Format
Create New Firm Accounts
Review Firm Accounts
Exit
Recurring Searches and Results
Party Name
Case No
SS No
Search Type
Client Charge No
Court
Start Date
Stop Date
Interval
Next Run Date
Delete
District Court - Case Number Search
96cv06121
FLORIDA SOUTHERN DISTRICT COURT
District Court - Case Number Search
NEW YORK EASTERN DISTRICT COURT
KRAFT, ALAN
District Court - Name Search
NEW YORK EASTERN DISTRICT COURT
SCHUSTER'S
NEW YORK SOUTHERN DISTRICT COURT
1110
1120
1130
1140
1150
1160
1170

FIG. 20